	А	В	С	D	E	F
			COST (20-Yr. Capital,			VOLID STRATEGY Do you agree with the various measures:
1	MEASURES	NOTES/CONSTRAINTS	O&M dollars/1000 gal)	CURRENT PATH	RESOURCE ORIENTED	YOUR STRATEGY - Do you agree with the various measures; are there others you would propose?
2	WEST MAUI - GENERALIZED STRATEGIES	. MAY 2016				
_	The following generalized strategies are based of	ew.	Key Points:	Key Points:		
<u> </u>	They are intended to gauge public acceptance of and feedback on generalized policies or measures.			Bring water to needs	Protect water resources	
	For your information, the columns labeled Current Path and Resource Oriented provide a sense of			_	Reduce water transport	
_				Use existing infrastructure	•	
_	now the measures in the 1st column relate to existing practice as well as a more resource focused path.			Increase efficiency	Adapt to local constraints	
	At this stage we focus on the range of options and their acceptability. In the next stage of the			Protect water resources	Diversified system	
_	process options will be bundled and more costs provided.				Aggressive conservation	
9		The information in the West Maui Region Description online or available from the Water Supply Dept				
10	provides useful background information.					
11	Watershed and Aquifer Protection					
	Invasive alien plant control, ungulate (pigs, deer,	DWS supports and funds programs.				
1.0	etc.) control, reforestation via watershed	Leveraging state and private funding		Х	Increase	
12	partnership programs	Duagrama a cui fa cua an high an alcuations				
13	Expand watershed protection to lower elevations	Programs now focus on higher elevations (3000+-)				
	Ahupua'a watershed based planning and	Ridge to ocean approach focused on stream				
14	0 11	systems				
		Prioritize efforts by impact, expand funding				
15	groundwater recharge and distribute funding proportionally	from private purveyors, state and other beneficiaries				
15	,	Water representative of each moku,				
16	local experts on resource management	advisory role and partnership			Increase	
	Restrict land uses with high risk of well	Proposed Wellhead Protection ordinance		Х	Х	
17		based on the capture zone of well		۸	^	
	Protect and recharge ground water during non	Reduce pumping- increased surface water				
10	drought periods to stabilize supply	use, aggressive conservation and alternative				
18	Scientific studies to support decision making	sources Study hydrogeologic and ecological				
19	selection of dates to support accision making	conditions; increased monitoring		X	Increase	
	Use drought conditions as baseline to evaluate	Determine projections to use; may vary			Data attall:	
20	water supply and effects of water use	geographically			Potentially	
	No new stream diversions on West Maui streams	Could extend to no new diversion or				
] 34	for non-instream uses until interim flow standards	increased diversion			Х	
22	are adopted					
23						
23						
	Conventional Water Source					
24	Development					
24	Development					

	Δ	B	С	D	E	F
	Increase use of surface water for municipal needs	Expand treatment facilities and obtain	\$1.55			'
	during wet season when kuleana and public trust	reservoirs. Permitting and dam liability	¥ = 1.00		?	
25	uses are satisfied.	issues			•	
<u> </u>	Honokowai aquifer well development (within		\$3.50			
26	sustainable yield)	Two a transport between aquirer annes	γ3.30	Х		
	Honolua aquifer well development (within	Transmission to growth area	\$3.55			
27	sustainable yield)	Transmission to growin area	ψ3.33	Х		
	Increase Water System Reliability/					
1,0	Flexibility					
20	-	Drought aguinment failure chlorides or				
	Develop and maintain back-up wells even if more	Drought, equipment failure, chlorides or		V	langen	
	expensive	other source or supply problems. Avoid use restrictions		Х	Increase	
29	Diversify to the most cost effective combination of					
	•	Policy statement. Some temporary cutbacks			2	
20	groundwater, surface water, and aggressive	acceptable in situations of			?	
30	conservation	drought/equipment failure				
	Require private public systems to develop in a	Amend County Code; increase costs of				
21		private systems				
	DWS systems or integrated management					
32						
33						
34	Increase Alternative Resources					
	Maximize R-1 reclaimed wastewater system	Limited supply, relatively high cost, less		Х	Increase	
35	capacity and use	reliable. Minimize underground injection		^	mercuse	
	Expand requirement for commercial properties	Amend Maui County Code, Chapter 20.30-				
	within 100 feet of reclaimed water system to	requires connection within 100 feet			Х	
36	connect and use R-1 water for landscape irrigation					
	Program to use small greywater systems for small	Amend State and possibly County				
37	residential/commercial	regulations			X	
<u> </u>	Incentives for residential/small commercial	Roof, tank, underground storage systems				
	catchment systems	can be used for landscape water use. Water			X	
38	,	quality issues				
	Low impact project design for onsite water	Permeable surfaces, etc. Amend County				
39	retention	code. Cost effective			X	
٣			\$5.2 - brackish, \$12.7-			
40		· · · · · · · · · · · · · · · · · · ·	seawater			
1	Maintain/manage plantation ditch systems for	Invest in existing systems, resolve				
	continued potable and non potable water	ownership, management issues		Х	?	
41	conveyance	ownership, management issues		٨	;	
·· <u>·</u>	Surface water efficiency programs	Improvements to diversions, conveyances,				
42		storage, meters to reduce loss		X	Increase	
43						
44						
	Increase Conservation					
45		Amound County and a 2007 2007 man and a				
1,0	WaterSense (water efficiency) standard for new	Amend County code. 20%-30% more water			Χ	
46	development and existing retrofits	efficient than standard				

	Д	В	C	D	F	F		
47		Rebate, retrofit, give-away programs for residential and small commercial uses			X			
48	Outdoor water wasting and use controls	Amend County code, disallow overspray, washing without hose nozzle, etc.			х			
49	Water conserving landscape requirements for resorts, golf courses, public facilities	Amend County code to set standard			x			
50	Incentive programs to convert existing landscape to water conserving	Turf removal programs for example			х			
51	Require aggressive conservation in new development in all areas	Craft program to carry out policy			х			
52		Some standards or programs vary geographically			x			
53	Pursue a policy of aggressive water conservation at all times (not just during drought)	Craft program to carry out policy			х			
54	Use water rates as means to encourage conservation	Tiered pricing can have this effect; equity is an issue		Х	х			
55 56								
57								
58								
59	This is a generalized and simplified exercise to demonstrate choices. Assume that all legal needs will be met.							